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<b>(21) International Application Number:</b> PCT/IB96/01022 <b>(22) International Filing Date:</b> 5 August 1996 (05.08.96) <b>(30) Priority Data:</b> 08/511,485 4 August 1995 (04.08.95) US 08/576,956 22 December 1995 (22.12.95) US <b>(60) Parent Applications or Grants</b> <b>(63) Related by Continuation</b> US 08/511,485 (CON) Filed on 4 August 1995 (04.08.95) US 08/576,956 (CON) Filed on 22 December 1995 (22.12.95) <b>(71) Applicant (for all designated States except US):</b> UNIVERSITY OF OTTAWA [CA/CA]; 550 Cumberland, Ottawa, Ontario K1N 6N5 (CA). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> KORNELUK, Robert, G. [CA/CA]; 1901 Tweed Avenue, Ottawa, Ontario K1G 2L8 (CA). MACKENZIE, Alexander, E. [CA/CA]; 35 Rockcliffe Way, Ottawa, Ontario K1M 1A3 (CA). BAIRD, Stephen		<b>[CA/CA];</b> 20 Julian Avenue, Ottawa, Ontario K1Y 0S5 (CA). LISTON, Peter [CA/CA]; Children's Hospital of Eastern Ontario, 401 Smyth, Ottawa, Ontario K1H 8L1 (CA). <b>(74) Agent:</b> MORROW, Joy, D.; Smart & Biggar, 900 - 55 Metcalfe Street, P.O. Box 2999, Station D, Ottawa, Ontario K1P 5Y6 (CA). <b>(81) Designated States:</b> CA, JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). <b>Published</b> <i>Without international search report and to be republished upon receipt of that report.</i> <i>With a request for rectification under Rule 91.1(f).</i>																	
<b>(54) Title:</b> MAMMALIAN APOPTOSIS INHIBITOR PROTEIN GENE FAMILY, PRIMERS, PROBES AND DETECTION METHODS																			
<table border="1"><caption>Variable cells data</caption><thead><tr><th>Construct</th><th>Variable cells (%)</th></tr></thead><tbody><tr><td>pCDNA3</td><td>5</td></tr><tr><td>BIR</td><td>18</td></tr><tr><td>B02</td><td>15</td></tr><tr><td>clasp</td><td>22</td></tr><tr><td>MAP</td><td>26</td></tr><tr><td>CHO</td><td>8</td></tr><tr><td>RZF</td><td>10</td></tr></tbody></table> <p><b>BIR = BACULOVIRUS IAP REPEAT</b> <b>RZF = RING ZINC FINGER</b></p>				Construct	Variable cells (%)	pCDNA3	5	BIR	18	B02	15	clasp	22	MAP	26	CHO	8	RZF	10
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<b>(57) Abstract</b> <p>Disclosed is substantially pure DNA encoding mammalian IAP polypeptides; substantially pure polypeptides; and methods of using such DNA to express the IAP polypeptides in cells and animals to inhibit apoptosis. Also disclosed are conserved regions characteristic of the IAP family and primers and probes for the identification and isolation of additional IAP genes. In addition, methods for treating diseases and disorders involving apoptosis are provided.</p>																			